

PROJECT DESCRIPTION
GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF A NEW INTERSECTION CONTROL BEACON AT THE INTERSECTION OF MD 32 AT STONER AVE IN CARROLL COUNTY. MD 32 IS CONSIDERED TO RUN IN A NORTH/SOUTH DIRECTION.

THE SOUTHWEST QUADRANT AND WEST SIDE OF MD 32 ARE BEING WIDENED.

INTERSECTION OPERATION

A CONTROLLER HOUSED IN A NEMA 6 BASE MOUNTED CABINET SHALL BE INSTALLED AT THIS LOCATION. THE INTERSECTION WILL OPERATE IN A FLASH MODE.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

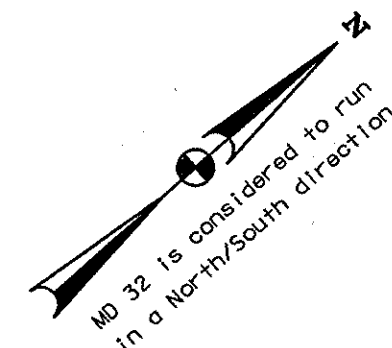
PROJECT CONTACTS:

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MR. JOHN HUCHROWSKI, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
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MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630
MR. EDWARD RODENHIZER, SUPERVISOR, SIGNAL OPERATIONS
PHONE: (410) 787-7652

THE POWER COMPANY REPRESENTATIVE IS:
BALTIMORE GAS & ELECTRIC
7317 PARKWAY DRIVE SOUTH
HANOVER, MD 21076
JASON WAGNER
410-859-9041
WMS# 0001724507

EQUIPMENT LIST

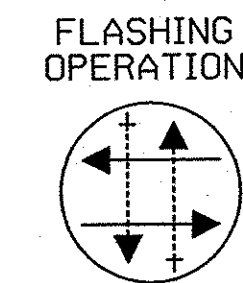
QUANTITY	UNITS	DESCRIPTION
LUMP SUM	LS	MAINTENANCE OF TRAFFIC
LUMP SUM	LS	MOBILIZATION
1	EA	27 FT. STEEL MAST ARM POLE WITH 70 FT. MAST ARM
1	EA	15 FT. LUMINARIES ARM
1	EA	250W HPS LAMP AND LUMINARIE
1	EA	STANDARD S.H.A. TRAFFIC SIGNAL BASE MOUNTED NEMA 6 CABINET AND ICB FLASHER CONTROL UNIT [Note: CONTROLLER AND CABINET SHALL BE PURCHASED FROM ECONOLITE AND DELIVERED TO THE S.H.A. SIGNAL SHOP FOR WIRING AND TESTING. CONTACT MR. ED RODENHIZER (410) 787-7650]
4	EA	12 IN. 1-SECTION (R) LED SIGNAL HEAD - MAST
4	EA	12 IN. 1-SECTION (Y) LED SIGNAL HEAD - MAST
1	EA	16 IN. X VAR. D-3(1) DUAL FACED SIGN - MAST ARM
1	CY	TEST PIT EXCAVATION
2	EA	HANDHOLE
60	LF	1-CONDUCTOR CABLE (NO. 4 AWG)
80	LF	2-CONDUCTOR TRAY CABLE (NO. 12 AWG)
115	LF	5-CONDUCTOR CABLE (NO. 14 AWG)
475	LF	7-CONDUCTOR CABLE (NO. 14 AWG)
50	LF	BARE COPPER GROUND WIRE (NO. 6 AWG)
35	LF	2 IN. PVC CONDUIT [SCHEDULE 80] - TRENCHED
20	LF	3 IN. PVC CONDUIT [SCHEDULE 80] - TRENCHED
50	LF	4 IN. PVC CONDUIT [SCHEDULE 80] - TRENCHED
60	LF	4 IN. PVC CONDUIT [SCHEDULE 80] - BORED
75	LF	4 IN. PVC CONDUIT [SCHEDULE 80] - SLOTTED IN ROADWAY (FOR ELECTRICAL SERVICE)
6.25	CY	CONCRETE FOUNDATION FOR TRAFFIC SIGNAL EQUIPMENT
5	EA	GROUND ROD 3/4 IN. X 10 FT. LENGTH
1	EA	CONTROL & DISTRIBUTION EQUIPMENT FOR ELECTRICAL SERVICE



RELOCATED SIGNS
SEE PAVEMENT MARKING
AND SIGNING PLAN
10.11
STOP
R 1-1

PROPOSED SIGN
9
Stoner AVE
D-3(1)
(VAR. x16")
DUAL FACE

PROPOSED SIGNALS
1-4 5-8
(Y) (R)
12" 12"
L.E.D. L.E.D.

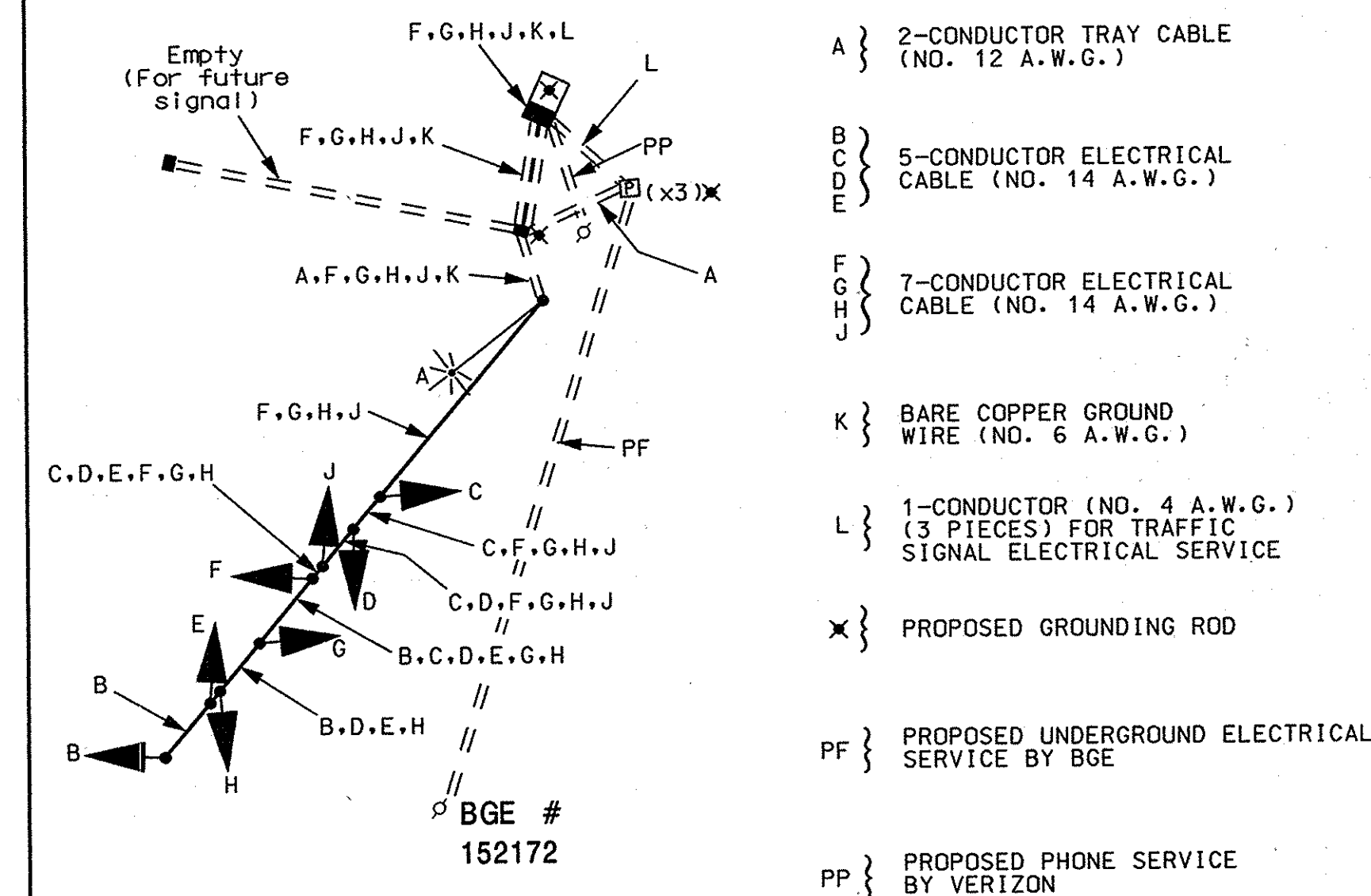


Phase Chart

1 2 3 4 5 6 7 8
(Y) (Y) (Y) (Y) (R) (R) (R) (R)

FLASHING OPERATION	FL/R	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R
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Wiring Diagram



CONSTRUCTION DETAILS

- INSTALL 27 FT. STEEL POLE AND FOUNDATION WITH A 70 FT. MAST ARM, SIGNAL HEADS, SIGN, 15 FT. LUMINAIRE ARM, AND 250 WATT HPS LUMINAIRE WITH PHOTOCCELL. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BEND).
- INSTALL A NEMA SIZE 6 BASE MOUNTED CONTROLLER AND CABINET. (NOTE: TWO-4 IN. PVC, AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS).
- INSTALL METERED SERVICE PEDESTAL FOR UNDERGROUND ELECTRICAL SERVICE.
- INSTALL HANDHOLE.
- INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED PRIOR TO NEW SIDEWALK INSTALLATION.
- INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.
- INSTALL 4 IN. CONDUIT TO BASE OF POLE FOR AN UNDERGROUND ELECTRICAL SERVICE BY BGE - SLOTTED/TRENCHED WITH PULL STRING.
- INSTALL 2 IN. CONDUIT FOR PHONE SERVICE BY VERIZON.
- SIGN RELOCATED AS PART OF THE PAVEMENT MARKING AND SIGNING PLAN.
- STOP BAR INSTALLED AS PART OF THE PAVEMENT MARKING AND SIGNING PLAN.

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"Merging Innovation and Excellence"

GEOMETRIC LEGEND	
---	EXISTING
---	PROPOSED
UTILITY LEGEND	
---	STORM DRAIN
---	GAS MAIN
---	WATER MAIN
---	SEWER MAIN
---	ELECTRIC CABLES
---	AERIAL CABLES
---	TELEPHONE CABLES
---	FIBER-OPTIC

THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF 1 YEAR FROM THE DATE OF APPROVAL. SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME THESE PLANS SHALL BE NULL AND VOID WITHOUT A REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.

APPROVALS		REVISIONS		TRAFFIC SIGNAL PLAN	
DESIGNED BY	J. STORCK	COUNTY	CARROLL	SCALE	1" = 20'
DRAWN BY	J. STORCK	LOGMILE	08003216.49	DATE	JUNE 27, 2008
CHECKED BY		TMS NO.	I-627	CONTRACT NO.	BW996M82
F.A.P. NO.	N/A	TOD NO.		DESIGNED BY	J. STORCK
TS NO.	4620	DRAWING	SG - 01	OF	01
		SHEET NO.	1	OF	1

PLOTTED: Thursday, June 26, 2008 AT 02:34 PM
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